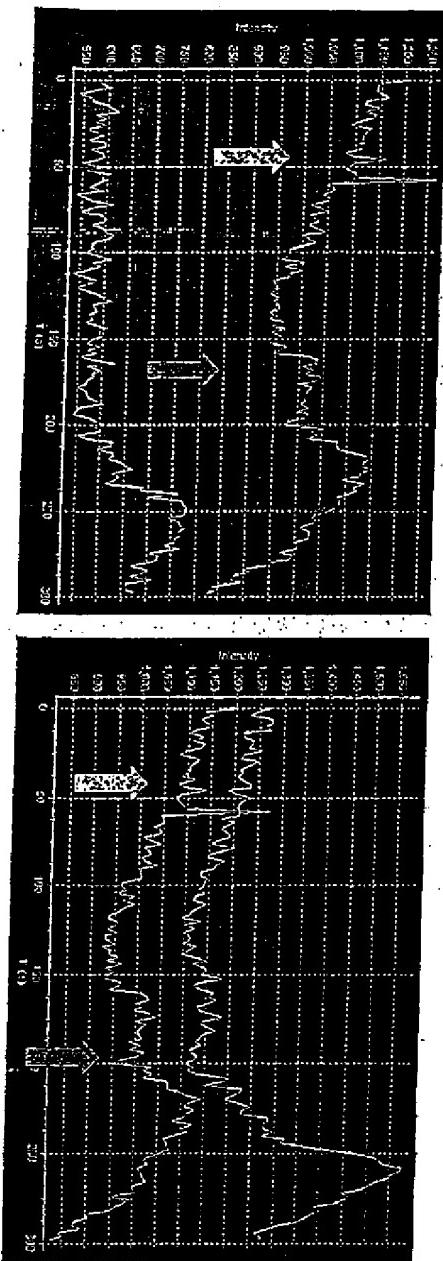


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Figure 3 : Magnetic activation of Trek-1 monitored via downstream changes in intracellular calcium

- COS-7 cells cotransfected with 'Flash' pericam and 12His.Trek-1 – Red and yellow lines indicate the cells with magnetic particles attached. Green and White lines indicate the cells without magnetic particles attached.
- Magnetic field applied for 1 sec – yellow arrow.
- Application of 100µM Riluzole to the culture media – red arrow



3/4

WO 2004/000369

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